

57. The polynucleotide of claim 55, wherein the amino acid sequence of the synthetase and the amino acid sequence of SEQ ID NO:12 have 95% identity based on the Clustal alignment method.

58. The polynucleotide of claim 55 comprising the nucleotide sequence of SEQ ID NO:11.

59. The polynucleotide of claim 55, wherein the synthetase comprises the amino acid sequence of SEQ ID NO:12.

60. A chimeric gene comprising the polynucleotide of claim 55 operably linked to a regulatory sequence.

61. A vector comprising the polynucleotide of claim 55.

62. A method for transforming a cell comprising transforming a cell with the polynucleotide of claim 55.

63. A cell comprising the chimeric gene of claim 60.

64. A method for producing a plant comprising transforming a plant cell with the chimeric gene of claim 55 and regenerating a plant from the transformed plant cell.

65. A plant comprising the chimeric gene of claim 60.

66. A seed comprising the chimeric gene of claim 60.

REMARKS

Claims 1-30 have been cancelled, and claims 31-66 have been added. Claims 31-66 are pending.

Support for the sequence identities recited in the claims is found on page 6, first full paragraph of the specification. Support for claims 41-43, 52-54, and 64-66 is found in Examples 7 and 8, pages 22 through 25 of the specification.

Please charge any necessary fee to Deposit Account 04-1928
(E. I. du Pont de Nemours and Company).

In view of the foregoing, allowance of the above-referenced application is respectfully requested.

Respectfully submitted,



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